



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Lars Abrahmsén et al. Art Unit : 1652
Serial No. : 10/081,408 Examiner : Yong D. Pak
Filed : February 21, 2002 Conf. No. : 1557
Title : METHODS FOR PROTEIN PURIFICATION

MAIL STOP RCE

Commissioner for Patents
P.O. Box 1450
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REPLY TO ADVISORY ACTION DATED MARCH 3, 2006

In reply to the Advisory Action dated March 3, 2006, applicants submit the following remarks.

REMARKS

Claims 1, 4, 7, and 9-24 are pending in the application. No amendments to the claims have been made herein.

35 U.S.C. §103(a) (Obviousness)

At pages 2-5 of the Advisory Action, the Examiner rejected claims 1, 4, 7, and 9-24 as allegedly unpatentable over Smith et al. (1998) *J. Exp. Med.* 188:17-27 ("Smith) in view of Huston et al. U.S. Patent No. 5,013,653 ("Huston") and Tudyka et al. (1997) *Protein Science*, 6:2180-87 ("Tudyka").

Independent claim 1 is directed to a nucleic acid containing a nucleic acid sequence that encodes a fusion protein consisting of: (i) a signal peptide; (ii) a soluble form of human SSAO consisting of amino acids 29 to 763 of SEQ ID NO:2 or a fragment thereof exhibiting benzylamine oxidase activity; (iii) a fusion partner that enables dimerization of the soluble SSAO; (iv) a protease cleavage site; and (v) optionally one or more spacer amino acids sequences.

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